

COATHAM CE PRIMARY SCHOOL

LONG-TERM (YEAR) PLAN

SUBJECT: DT				YEAR GROUP: 6		
Half-Term	Aut1	Aut2	Spr1	Spr2	Summ1	Summ2
Statement of Intent	Children can choose from seasonal produce and cooking techniques to produce a crumble/pizza/ Mill flour -bread	Children can use levers, pulleys and gears to solve an engineering problem.	To create a structure using gears, pulleys and levers which will open.	STEM Understand how key events and individuals in D&T have helped shape the world - Scientist design competition.	Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.	STEM Battery in a Box project (Faraday Institution) - understand and use electrical systems in their products.
Key Curriculum Coverage	Understand that seasons may affect the food available Know how to cook a variety of savoury dishes	Select from and use a wider range of materials and components Evaluate their ideas and products against their own design criteria	Understand and use mechanical systems in their products Evaluate their ideas and products against their own design criteria	Investigate and analyse products Use research and develop design criteria to inform the design of innovative, functional appealing products	Understand how food is processed into ingredients that can be eaten or used in cooking Know that different food and drink contain different substances, nutrients water and fibre that are needed for health	Understand and use mechanical systems in their products Build structures exploring how they can be made stronger, stiffer and more stable.
Key Vocabulary	Seasonal Preparation Hygiene Safety temperature	Prototype Gears Pulleys Cams Levers linkages	Gears Pulleys Cams Levers Linkages Strength Reinforce	Design Describe Evaluate Persuade feasibility	Processed Unhealthy Safety	Troubleshoot Copy Tension Secure structure

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